

HEAD RESTRAINT EVALUATOR

Abstract

A test assembly for evaluating vehicle head restraints comprises a carriage adapted to be coupled to a drive member capable of moving the test assembly, a head restraint coupled to the carriage and a manikin assembly having a head portion and a neck portion with an upper and lower end. The head portion couples to the upper end of the neck portion and the manikin assembly couples to the carriage at the lower end of the neck assembly. The head restraint is positioned adjacent the manikin assembly so that movement of the drive member causes the head portion of the manikin assembly to contact the head restraint. The manikin assembly may further include a load cell and accelerometer for evaluating the effectiveness and performance of a particular head restraint design.